

1 **A SYSTEM AND METHOD OF ADAPTIVE CONTROL**
2 **OF OPERATING SYSTEMS WITH VARYING DYNAMICS**

3 ABSTRACT OF THE DISCLOSURE

4 The present invention provides a method for
5 controlling nonlinear process control problems. This
6 method involves first utilizing modeling tools to identify
7 variable inputs and controlled variables associated with
8 the process, wherein at least one variable input is a
9 manipulated variable. The modeling tools are further
10 operable to determine relationships between the variable
11 inputs and controlled variables. A control system that
12 provides inputs to and acts on inputs from the modeling
13 tools tunes one or more manipulated variable inputs to
14 achieve a desired result like greater efficiency, higher
15 quality, or greater consistency.